Decision Agenda Results for: March 8, 2005 (page 2-3) March 29, 2005 (pages 4-12) April 12, 2005 (pages 13-17)

Introduction: Presented in the table(s) beginning on the next page are proposals in response to identified topics or issues relating to environmental health and safety in schools. For each topic a brief statement of the resulting problem is provided, as well as citations for related reference materials or documents.

The proposals described are intended to capture the points of group discussion where ideas for addressing the problems have coalesced. Prior to voting on these proposals, the group will have the opportunity to "fine tune" the proposals. Then, for each proposal, the group will identify through the process of "Green, Yellow, & Red" voting, those proposals to forward to the School Rule Development Committee (SRDC). Each proposal will be measured by the group according to where in the regulatory framework they prefer to see the proposal implemented, in Rule or in Guidance.

Workgroup members will use color cards to indicate their preference on the proposals. A green card indicates a "yes or strong support" vote, a yellow card indicates "moderate support" and a red card indicates "no or no support." For a proposal to be forwarded to the SRDC, two-thirds of the votes need to be green or yellow for a two-thirds majority.

Do	Decision Agenda for: MARCH 8, 2005		Number F	Present.	23	
De	CISION Agenda IOI. MANCH 6, 2005	5	50% +1= 12	Two	Thirds	= 16
Topic Ventilation						
	The existing SBOH rule (Chapter 246-366 WAC) states: "All rooms used by students or staff shall be kept reasonably free of all objectionable odor, excessive heat or condensation. All sources producing air contaminants of public health importance shall be controlled by the provision and maintenance of local mechanical exhaust ventilation systems as approved by the health officer."					
	Ventilation provides an effective means of controlling contaminants that are generated by processes and pollutants used in the school environment. Properly ventilated spaces will also minimize the spread of communicable disease in the school setting. There is a growing body of evidence that adequately ventilated spaces have a positive impact on student absenteeism and productivity.					
Problem Statement	School facilities present unique challenges for ventilation systems, with internal spaces that are often subject to a wide range of occupancies, such as gymnasiums, or dedicated instructional areas, such as band & choir rooms or automotive & carpentry shops. Special use areas, such as the health room, present their own particular demands on ventilation systems.					
	Ventilation standards for design and performance exist for 51-13 WAC and the ASHRAE 62.1 2004 are examples in the field of ventilation. These standards typically additional ventilation systems, as well as performance requirement	of cor lress t	nmonly use star	ndards-	of-prac	etice
	Maintenance and repair of ventilation systems is a critic performance. Assessment of on-going functional performaintenance. School maintenance staff and processes we effective and economical approaches to assessing ventilations.	manc vould	e is an integral benefit from th	part of e identi	plant	n of
Reference / Research	(References that are highlighted are included in the 3-ring bind members. Please refer to these as needed while considering WAC 246-366, WAC 51-13 and ASHRAE 62.1 2004			d to wor	kgroup	
Proposal A:	Recommend that the standards for ventilation system design, construction, installation and performance in	1	Proposal In?	Work GRN	group <i>YEL</i>	Vote RED
	school facilities be consistent with those established in Chapter 51-13 WAC.	n	Rule Guidance		9	2 8
Desired Outcomes	Standards for ventilation system design, construction, installation and performance are updated to current industandard-of-practice.	stry				,
Proposal B:	Recommend the use of CO ₂ measurement in occupied spaces as a means of assessing ventilation system performance, as part of an on-going facility operation maintenance program by trained and qualified personnel.		Proposal In? Rule Guidance	GRN 10	group YEL 4 2	Vote RED 9 7

Do	oision Agondo foru MARCH 9 2005		Number F	Present: 23		
De	cision Agenda for: <u>MARCH 8, 2005</u>	Ą	50% +1= 12	Two	Thirds	= 16
Desired Outcomes	An effective measure of ventilation performance is established, providing school maintenance personnel wir an easily applied tool to monitor ventilation performance throughout their facility.					
Proposal C:	Recommend that the standards for ventilation system design, construction, installation and performance in school facilities address the unique needs presented by) y	Proposal In?	Work GRN 18	group YEL 5	Vote RED
	special use areas, such as health rooms, and career & technical instructional areas.		Guidance	8	6	9
Desired Outcomes	Adequately ventilated health rooms (under negative pressure) to minimize the spread of contagious disease. Ventilation throughout the school facility that meets the needs of students and staff in the wide variety of educational activities during the day.					
	Recommend that DOH update guidance regarding		Proposal In? Workgroup Vo			Vote RED
Proposal D:	ventilation systems to include references to the currer ASHRAE 62.1.	nt	GRN YEL F Rule 21 2			
	ASHKAE U2.1.		Guidance	N	No Vote)
	Recommend the use of CO ₂ measurement in occupied spaces as a means of assessing ventilation system		Proposal In?	Work <i>GRN</i>	group <i>YEL</i>	Vote <i>RED</i>
Proposal E:	performance, as part of an on-going facility operation maintenance program by trained and qualified	1 &	Rule	11	10	2
. ropoda Er	personnel. CO ₂ levels greater than 700 ppm over		Guidance	11	3	9
	ambient level is a threshold level for further evaluation of ventilation system performance.	on				

Do	cision Agenda for: MARCH 29, 2005		Number i	Present: 21	
Det	DISION Agenda Ior. MARCH 29, 2005	5	50% +1= 11	Two Thirds	s = 14
Topic	Siting				
Problem Statement	The first step in providing a safe and healthy school is to impact the structure and its occupants after it is built. The proposed site is not impacted by adjacent businesses or to Natural conditions of soil, topography, hydrogeology, et and future operation. The existing SBOH rule (Chapter 246-366 WAC) minimal requirements for written approval from the local health of the proposed site must be of sufficient size, and most specific	nis ind he react. can nally a	cludes making s mnants of previous also impact so addresses Site A r for the propos	sure that the ous businesse hool facility of Approval, with ed site. The	es. design h
Reference / Research	proposed site must be of sufficient size, and meet specific (References that are highlighted are included in the 3-ring bind members. Please refer to these as needed while considering a DOH "Best Management Practices Manual For School I EPA "Design Tools for Schools" http://www.epa.gov/iaq/s	der of i the pro ndooi	materials provide oposals.) r Air Quality",		
Proposal A:	Recommend that sites proposed for development of school facilities be subjected to a Phase I Environmer Site Assessment at the appropriate time in the school development timeline, as the first step to identifying a		Proposal In?	GRN YEL 21 0	. RED
Proposal A:	school facilities be subjected to a Phase I Environmer	and	•	GRN YEL 21 0	. RED
Proposal A: Desired Outcomes	school facilities be subjected to a Phase I Environmer Site Assessment at the appropriate time in the school development timeline, as the first step to identifying a addressing the impact of site characteristics on school	and l pol	Rule	GRN YEL 21 0	. RED
Desired Outcomes	school facilities be subjected to a Phase I Environmer Site Assessment at the appropriate time in the school development timeline, as the first step to identifying a addressing the impact of site characteristics on school facility development and operation. Adequate and timely site evaluations provide the information needed to fully characterize a proposed school facility development site. With such characterization, the site conditions that may adversely impact the health and safety of future occupants may be appropriately addressed including the option to reject the proposed site. Recommend that the DOH develop guidance or update the K-12 Health & Safety Guide to address	and l pol ee ed, te	Rule Guidance	GRN YEL 21 0 No Vo	vote RED O RED
Desired	school facilities be subjected to a Phase I Environmer Site Assessment at the appropriate time in the school development timeline, as the first step to identifying a addressing the impact of site characteristics on school facility development and operation. Adequate and timely site evaluations provide the information needed to fully characterize a proposed school facility development site. With such characterization, the site conditions that may adversely impact the health and safety of future occupants may be appropriately addressed including the option to reject the proposed site. Recommend that the DOH develop guidance or update in the school of t	ool eed, te	Rule Guidance	GRN YEL 21 0 No Vo No Vo Workgroup GRN 21 0	vote RED 0 te 0 RED 0

Doc	nicion Agondo fore MARCH 20, 2005	Number	Number Present: 21				
Dec	cision Agenda for: MARCH 29, 2005	50% +1= 11	Two	Thirds	= 14		
Topic	Design						
Problem Statement	A wide range of elements and features come together in of space, ventilation, natural and artificial lighting, heating resources, materials and surfaces, traffic patterns, and resolution climate, are but a few of the issues to be addressed to achieve the existing SBOH rule (Chapter 246-366 WAC) minimates.	ng & cooling, efficience of the local enieve a well designent	ency of onvironne d facility	operationent and	onal d		
Reference / Research	The Washington Sustainable Schools Protocol is a region school design protocols, such as the California Collabora the EPA "Design Tools for Schools". These documents design—the "what we want to accomplish" when school design and construction standards and codes, such as the Washington State statutes and codes that address buildin building codes, identify how buildings are to be designed.	ntive for High Performative for High Performance describe the desired and conternational Build g design and constructional constructional for the state of the st	rming Solution outcomnstructed ing Cod	chools, nes for s d. Othe e, the	and school er		
Research	(References that are highlighted are included in the 3-ring binder of materials provided to workgroup members. Please refer to these as needed while considering the proposals.) EPA "Design Tools for Schools", http://www.epa.gov/iaq/schooldesign/ Washington Sustainable Schools Protocol, California's Collaborative for High Performing Schools, OSPI's School Facilities Manual http://www.k12.wa.us/schfacilities/pubdocs/SFMANUAL/intro.pdf						
	Recommend that school facilities are designed accord	Oronocal In'		group			
Proposal A:	to regionally-appropriate design standards, such as the delineated in the Washington Sustainable Schools	Rule	GRN	YEL 4	RED		
	Protocol.	Guidance		10	6		
Desired Outcomes	School facilities are designed with elements and features are compatible with the environment and climate challen throughout the various regions of Washington State.		•	•			

Do	nicion Agondo for, MARCH 20, 2005		Number Pr	esent: 2	21-22		
Dec	cision Agenda for: MARCH 29, 2005	50%	% +1= 11-12	Two TI	hirds =	14-15	
Topic	Topic Construction						
	Properly designed buildings, if not properly constructed, will fail to meet their potential for providing a healthy, safe, and effective learning environment for students. Experience has shown that when construction methods, materials, and oversight fail to assure that the school design is accurately realized, problems result with frequent IAQ ramifications.						
	The existing SBOH rule (Chapter 246-366 WAC) minimally addresses construction oversight for assurance of construction consistent with building design.					ght for	
Problem Statement	A constructability review is defined as a cost control technique which is based on the review of project documents by mechanical, electrical, structural, construction, and design professionals prior to a request for bids. The purpose of a constructability review is to identify potential claim or problem areas and deficiencies that may occur as a result of errors, ambiguities, omissions, discrepancies, and conflicts in design documents. The study shall consist of a forty-hour workshop involving a minimum of a five-person team pursuant to WAC 180-29-066. (WAC 180-27-080)						
	Building commissioning is another useful tool to assure facilities function as intended and support the design electroacterized by the development of project-specific Confederate and systems to be reviewed during the design, phases. The plan characterizes what the expected function how these elements and systems are to be evaluated.	ments mmiss constr	of the building sioning Plans the ruction, and post-	g. Commat descriptions of the construction of	missior ribe the ruction	ning is	
Reference / Research	(References that are highlighted are included in the 3-ring bind members. Please refer to these as needed while considering a ASHRAE 62.1-2004 (Subsection 5) WAC 180-27-080 Value Engineering, Constructability & 1998 Attorney General report; International Building Code; Briefing Paper from the Council of Educational Facility Collaborative for High Performance Schools; Building Commissioning Association	the pro	oposals.) Iding Commiss	ioning;	kgroup		
Proposal A:	Recommend that all school facility construction projection requiring a building permit from the local building official undergo a constructability review.	ects	Proposal In?	GRN	group YEL	Vote RED	
Desired Outcomes	Greater assurance that school facilities are well construction (high quality materials, methods, and construction skills) consistent with the approved design.		Guidance 21 memb	10	6 sent / '	5	
Proposal B:	Recommend that the potential for entrainment of ambient pollutants and re-entrainment of emitted pollutants and moisture into the air handling systems specifically addressed during design development and plan review phases.		Proposal In? Rule Guidance	GRN 7	group YEL 3 5	Vote RED 12	

Doc	cision Agenda for: MARCH 29, 2005		Number Pr	esent: 2	21-22	
Dec	DISION Agenda Ior. MARCH 29, 2005	509	% +1= 11-12	Two Ti	hirds =	14-15
Desired Outcomes	Greater assurance that the potential problems caused by entrainment of pollutants is addressed in the design stage facility development and assessed during the constructal review process.	e of	22 membe	ers pre	sent / ^	15
Proposal C:	Recommend that constructability review information provided to LHJs.	be	Proposal In?	Work GRN	group <i>YEL</i>	Vote RED
Desired Outcomes	Greater assurance that school facilities are well construc (high quality materials, methods, and construction skills		Rule Guidance	18	4 16	0
Outcomes	consistent with the approved building design.		22 member	ers pre	sent / <i>*</i>	15
Proposal D:	Recommend that all new and remodeled school facili undergo commissioning.	ties	Proposal In?	Work GRN	group <i>YEL</i>	Vote <i>RED</i>
Desired Outcomes	Greater assurance that mechanical systems installed in school facilities are well constructed (high quality mater methods, and construction skills); consistent with the approved building design, and function as intended.	ials,	Rule Guidance 22 membe	١	0 No Vote sent / 1	
Proposal E:	Recommend that existing school facilities undergo HVAC re-commissioning of suitable scope in respons persistent and significant HVAC-related IAQ events monitoring results, such as sustained CO ₂ levels exceeding 700 ppm over ambient levels.		Proposal In? Rule Guidance	GRN 15 7	group YEL 6 5	RED 1 9
Desired Outcomes	Greater assurance that mechanical systems continue to function as intended throughout the current 30 year lifetiexpectancy of school facilities.	ime	22 members 21 members			
Proposal F:	Recommend that OSPI recognized construction management concepts be applied to new and remode school construction projects which require a building permit.		Proposal In? Rule Guidance	GRN 15	group YEL 3 2	Vote RED 4
Desired Outcomes	Greater assurance that school facilities are well construction (high quality materials, methods, and construction skills consistent with the approved building design.		22 member			Ů

Dog	Decision Agenda for: MARCH 29, 2005		Number Present: 21-22					
Det	DISION Agenda Ior. MANON 29, 2005	509	% +1= 11-12	12 Two Thirds = 14-15				
Proposal G: Desired Outcomes	Recommend that new and remodel school construction plan review for the purpose of securing construction permit approval, that the local building code official the local health official conduct a cooperative review the plans and specifications to assure that building coand health protections are addressed in a cohesive and comprehensive manner. IAQ Workgroup Re-worked Language: Recommend that new and remodel school construction plans be reviewed for the purpose of securing construction permit approval, that the local building code official and the local health official conduct a cooperative review of the plans and specifications to assure that building codes and health protections are addressed in a cohesive and comprehensive manner. DOH Staff Proposed Re-write for Clarity: For school construction projects requiring a construction permit, recommend that the local building code officiand the local health official share with each other the results of their review of plans and specifications, to assure that building codes and health protections are addressed in a cohesive and comprehensive manner. Complete and effective review of plans and specifications.	and of odes id on	Proposal In? Rule Guidance 21 memb	GRN 9 3	group YEL 3 12 sent / '	RED 9 6		
	Recommend that LHJs interact with the project design	σn	Proposal In?	Work GRN	group YEL	Vote RED		
Proposal H:	1 0 0		Rule		5	1		
	potential health & safety issues.		Guidance	6	11	5		
			22 memb	ers pre	sent / '	15		

Do	nicion Agenda for: MARCH 20, 2005	Number	Present: 22			
De	cision Agenda for: MARCH 29, 2005	50% +1= 12	Two Thirds = 15			
Topic	MOLD					
Problem Statement	The existing SBOH rule (Chapter 246-366 WAC) does not concerns raised by mold growth in schools that have not abundance of evidence suggesting that mold growth in orespiratory health problems and allergic responses in chi. The presence of and exposure to mold is a significant he buildings are kept clean, dry, and well ventilated, mold gintrusion or moisture conducive to mold growth occurs f When mold growth occurs in schools, immediate remediation of the water intrusion pathway, is critical. V school maintenance personnel with this work. When mold exposures occur, communication between so students, teachers, other staff, and citizens is also critical failure exist, many school districts have implemented eff strategies that are characterized by rapid remediation and communities. Various guidance documents exist to assist school district monitoring school facilities for water intrusion, moisture remediation, and communication, including guidance from the strategies of the teachier that the strategies that the strategies for water intrusion, moisture remediation, and communication, including guidance from the strategies of the strategies for water intrusion, moisture remediation, and communication, including guidance from the strategies of the strategies for water intrusion, moisture remediation, and communication, including guidance from the strategies of the strategies for water intrusion, moisture remediation, and communication, including guidance from the strategies of the strategies for water intrusion.	been kept dry and coccupied spaces can obligate and adults who alth concern in occuprowth does not occupro	lean. There is an contribute to o are exposed. pied spaces. When ar. When water d growth is likely. gnosis and uments exist to assist the land parents, f communication e plans and he events to their ork associated with d growth, mold New York City.			
Reference / Research	NYC guidelines "Assessment And Remediation Of Fungi In The Indoor Environment;" ACGIH TLV statement; IICRC S-520; and					
	"Guidance for Clinicians on the Recognition and Manag Exposure and Moisture Indoors" http://oehc.uchc.edu/clins		ects Related to Mold			

Doc	cision Agenda for: MARCH 29, 2005		Number F	Present:	22	
Det	ision Agenda for. <u>IMANON 23, 2003</u>	5	50% +1= 12	Two Thirds = 15		= 15
	Recommend that mold prevention and response plan		Proposal In?		group	Vote
	established and implemented to address the potential		_	GRN	YEL	RED
	mold growth and the remediation of mold when it occ Key elements of such plans includes:	curs.	ituic	12	5	5
	Identification and resolution of moisture		Guidance	8	6	8
	accumulation and water intrusion within the					
	structure and building materials of the school					
	facility					
Duama and A	Monitoring and maintaining ventilation system					
Proposal A:	 Immediate and appropriate response to mold is identified, following remediation guidelines 	tnat				
	from sources including EPA and NYC					
	Notification of students, parents, teachers & st	taff,				
	and visitors regarding mold remediation	,				
	 Accommodations available to limit the exposu 					
	of sensitive and concerned individuals to mold					
	until mold remediation is completed, such as t accommodations described by DOH guidance					
	limit exposure	w				
	School facilities are kept dry and well ventilated. If mol	d				
Daninad	growth occurs, remediation is quick and complies with	-				
Desired Outcomes	nationally established methodologies. The school					
34.5511165	community is appropriately and quickly notified of mole	l				
	events.					
	Recommend that mold remediation methodologies fo	llow	Proposal In?		group	
Proposal B:	national guidance such as that provided by EPA and NYC, including abatement by trained and qualified s	taff	-	GRN	YEL	<i>RED</i>
	or firms.	vuil	Rule Guidance	21 5	1 5	0 12
D	Mold events are remediated quickly, according to accept	ed	Guidance	J	J	12
Desired Outcomes	methods by qualified and trained personnel, limiting the					
Gatoonics	exposure risk to students, teachers, staff, and visitors.					

Do	Decision Agenda for: MARCH 29, 2005		Number Present: 22				
Dec	CISION Agenda IOI. MARCH 29, 2005	5	50% +1= 12	Two	Thirds	= 15	
	Recommend that IAQ & mold communication plans established and implemented to assure that all who makes the communication plans are stablished and implemented to assure that all who makes the communication plans are stablished and implemented to assure that all who makes the communication plans are stablished and implemented to assure that all who makes the communication plans are stablished and implemented to assure that all who makes the communication plans are stablished and implemented to assure that all who makes the communication plans are stablished and implemented to assure that all who makes the communication plans are stablished and implemented to assure that all who makes the communication plans are stablished and implemented to assure that all who makes the communication plans are stablished and implemented to assure that all who makes the communication plans are stablished as the communi	nay	Proposal In?	Work GRN	group <i>YEL</i>	Vote <i>RED</i>	
	need to know are informed about possible environme		Rule	13	8	1	
	exposures leading to health risks. Key elements of s plans includes:	ucn	Guidance	8	5	9	
Proposal C:	 Communication response levels commensurate with the IAQ event Rapid communication with the school and notification to the public Site posting Specific communication with parents of stude sensitive to IAQ exposures, asthmatic, or immune-compromised Accommodations available to limit the exposure of sensitive and concerned individuals to mole until mold remediation is completed, such as those accommodations described by DOH guidance to limit exposure 	ents are					
Desired Outcomes	Timely information flow to affected students, parents, teachers & staff, and visitors.						
	Recommend that DOH provide guidance on approach to monitor for water intrusion and moisture problem	ıs	Proposal In?	Work GRN	group <i>YEL</i>	Vote RED	
Dramagal Dr			Rule	16	2	4	
Proposal D:	within their schools including the use of moisture meters to assess the moisture content of building materials used in the school facility. Guidance to include suitable options in response to identified water intrusion and		Guidance		No		
	options in response to identified water intrusion and				vote		
Desired Outcomes					vote		
Desired	options in response to identified water intrusion and moisture accumulation. Minimize the time needed to respond to water intrusion mold problems and provide the schools with an effective	e e	Proposal In?		group		
Desired	options in response to identified water intrusion and moisture accumulation. Minimize the time needed to respond to water intrusion and mold problems and provide the schools with an effective means to quickly survey for water problems. Recommend that DOH provide guidance and suitable response strategies reflective of the full range of water intrusion and moisture accumulation events that may	e er	-	GRN	group	Vote RED	
Desired Outcomes	options in response to identified water intrusion and moisture accumulation. Minimize the time needed to respond to water intrusion mold problems and provide the schools with an effective means to quickly survey for water problems. Recommend that DOH provide guidance and suitable response strategies reflective of the full range of water intrusion and moisture accumulation events that may occur in the school facility environment. Include	e er	Rule	GRN 16	group YEL	RED 5	
Desired	options in response to identified water intrusion and moisture accumulation. Minimize the time needed to respond to water intrusion and mold problems and provide the schools with an effective means to quickly survey for water problems. Recommend that DOH provide guidance and suitable response strategies reflective of the full range of water intrusion and moisture accumulation events that may	e er	-	GRN 16	group YEL 1	RED 5	

Doc	nicion Agondo foru MARCH 20, 2005		Number F	Present:	22	
Dec	cision Agenda for: <u>MARCH 29, 2005</u>	5	50% +1= 12	Two	Thirds	= 15
	Recommend that the following principles be delineated. To prevent and limit mold growth, timely and		Proposal In?		group	
	appropriate response to water intrusion and		Rule	GRN 14	YEL 7	RED
	moisture accumulation within the school facil requires diligent surveillance and immediate	ity	Guidance	6	6	10
Proposal F:	correction (24 to 48 hours). 2. Mold remediation without eliminating the cause—the water intrusion or moisture accumulation—is ineffective in controlling exposure to mold. 3. Eliminating the cause of water intrusion or moisture accumulation without remediating resulting mold is an incomplete response. Mo and dry forms of mold can present potential indoor air quality and personal health hazard					
Desired Outcomes	Clearly delineated principles will assist in the developme and implementation of response plans for IAQ and mold related events.					
	Recommend that schools be required to accommodat	e	Drenegal In O	Work	group	Vote
Proposal G:	sensitive and concerned individuals to limit their exposure to mold until mold remediation is completed	1.	Proposal In?	GRN	YEL	RED
	through the selection of appropriate accommodation	~•	Rule		8	2
	options, such as those described in DOH guidance.		Guidance	8	5	9

_	ocicion Acondo fore April 12, 2005		Number F	Present.	: 20			
D.	ecision Agenda for: <u>April 12, 2005</u>	į	50% +1=11 Two Thirds =14					
Topic Occupancy Prior to Completion of Construction								
Problem Statement Through discussion, the workgroup has become aware that occupancy of school facilities occasionally occurs before construction of the buildings and installation of all mechanical systems is fully complete. There are a variety of reasons that lead to this. Temporary Occupancy Permits may be issued by the local building official. These are typically conditional permits; however members of the workgroup report experiences where follow-up and adherence to the conditions of the Temporary Occupancy have been lacking. Local health jurisdiction representatives relate that they are rarely consulted on matters of Temporary Occupancy.								
Reference / Research	(References that are highlighted are included in the 3-ring bind members. Please refer to these as needed while considering to Workgroup discussion and presentation by Wade Duffy, Lacey.	he pro	oposals.)			City of		
	Recommend that as a condition of granting a		Proposal In?	Work	orkgroup Vote			
	Temporary Occupancy Permit for new or remodeled		Proposal III?	GRN	YEL	RED		
Proposal A:	school facilities by local building officials, that a writt plan be reviewed and approved by the LHJ addressin		Rule		5	10		
Proposal A.	the conditions of such temporary occupancy and the t		Guidance	6	11	3		
	frames for meeting or correcting the identified conditions.	11110						
Desired Outcomes	Conditions of temporary occupancy, such as what remain be satisfactorily addressed and the timeframe for comple will be delineated, and reviewed and approved by the Lo Health Officer for health and safety concerns.	tion						

Decision Agenda for: April 12, 2005		Number Present: 20					
			50% +1= 11	Two Thirds		= 14	
Topic	Building Maintenance						
Problem Statement	The existing SBOH rule (Chapter 246-366 WAC) does not provide direction about cleaning frequency or elements of a green cleaning program, nor does it address frequency of air filter replacement or duct cleaning.						
Reference / Research	(References that are highlighted are included in the 3-ring binder of materials provided to workgroup members. Please refer to these as needed while considering the proposals.) ASHRAE 62.1-2004, National Air Duct Cleaners Association (NADCA) guidelines on duct cleaning, GSA guidelines on green cleaning.						
Proposal A:	Recommend that DOH provide guidance on the frequency of various cleaning activities.		Proposal In?	Work GRN	group <i>YEL</i>	Vote <i>RED</i>	
Desired Outcomes	Minimize the impact of dirty buildings on the occupants.		Rule Guidance		3 No Vote	2	
Proposal B:	Recommend that DOH provide guidance on "green cleaning" materials and methods.		Proposal In?	Work GRN	group <i>YEL</i>	Vote <i>RED</i>	
Desired Outcomes	Reduce the impact of toxic cleaning chemicals to student and staff.	ts	Rule Guidance		0 No Vote	0	
Proposal D:	Recommend that DOH provide guidance for ventilating system maintenance and service, based on guidance available from, EPA, ASHRAE, and other sources.				Vote RED		
	Greater assurance that ventilation system air ducts are		Rule Guidance		No vote		
Desired Outcomes	cleaned to address post-filter dust accumulation that may adversely impact air quality in occupied spaces.	7					

Decision Agenda for: April 12, 2005			Number Present: 20				
		5	50% +1= 11	Two Thirds =14		=14	
Topic	Ventilation						
Proposal F:	Recommend that the interior surfaces of air handling ducts be smooth, non-friable and cleanable when	3	Proposal In?	Workgroup Vote			
			Rule	_			
т торозатт.	renovating ducts in existing school facilities and in ne	ew			2	0	
Порозант	renovating ducts in existing school facilities and in ne construction and remodeling.	ew	Rule Guidance		9	6	

Decision Agenda for: April 12, 2005		Number Present:20					
		50% +1= 11	Two Thirds = 14				
Topic	Temperature / Heating & Cooling						
Problem Statement	Temperature requirements in the existing SBOH rule (CI non-specific. WAC 246-366 states in section 080 that "r kept reasonably free of excessive heat." Section 090 stat students and employees shall be heated during school ho of 65 degrees F except for gymnasiums which shall be m 60 degrees F." Section 100 states that "Heating, ventilat be equipped with automatic room temperature controls." While the impact of temperature on human health is knot temperatures on student performance are not widely door support improved performance in schools where indoor of to include temperature. Operational temperature ranges, for heating and cooling repaired school facilities through a series of linked stand national, state and local level. These temperature ranges cooling systems and to their operation. The SBOH rules heating and cooling in school facilities. The temperature provisions of the SBOH rules apply to a apply additional requirements. For example, in addition (mentioned above), the current SBOH rule establishes a facilities (65 degrees). This minimum is below the custof Temperature range performance standards exist in indust 2004.	rooms used by stude tes that "The entire turs to maintain a minaintained at a miniming and /or air conditions, and it is a miniming at the operational teminimum temperature of the operational temperature of the operature of the operational temperature of the operature of the o	nts and staff shall be facility inhabited by nimum temperature of attioning systems shall to f widely varying here is evidence to ty has been addressed to, remodeled, and and entities at the of heating and ramework to address and future, and may emperature ranges are for school mperature range.				
Reference / Research	(References that are highlighted are included in the 3-ring binder of materials provided to workgroup						

Decision Agenda for: April 12, 2005			Number Present:20				
		5	50% +1= 11				
Proposal A:	Recommend that the <i>minimum</i> temperature currently	y	Proposal In?		Workgroup Vote		
	established in the SBOH rule be retained in the rule.		•	GRN	YEL	RED	
Desired	Desired Maintains the current minimum temperature in all school		Rule	20	0	0	
Outcomes	facilities.	-	Guidance	No Vote			
Proposal B:	Recommend that a <i>maximum</i> temperature (linked to		Proposal In? Work		group Vote		
	umidity levels) be established.			GRN	YEL	RED	
Desired Outcomes			Rule	17	1	1	
	Establishes a maximum temperature in all school facilitie	es.	Guidance	6	3	10	

Decision Agenda for: April 12, 2005		Number	Number Present:19					
	Decision Agenda for. April 12, 2005		Two Thirds =	13				
Topic	Humidity	<u> </u>						
Problem Statement	The existing SBOH rule (Chapter 246-366 WAC) does not provide a range of acceptable humidity levels. The rule addresses humidity in section 080: "the areas used by students and staff shall be kept reasonably free of all excessive heat or condensation." Low humidity can cause dehydration and accompanying health symptoms. High humidity can cause condensation and the growth of mold and contribute to respiratory symptoms. Operational humidity ranges, for heating and cooling cycles, apply to new, remodeled, and repaired school facilities through a series of linked standards, statutes, codes and entities at the national, state and local level. These humidity ranges apply to the design of heating and cooling systems and to their operation. The SBOH rules co-exist with this framework to address humidity in school facilities.							
Reference / Research	(References that are highlighted are included in the 3-ring binder of materials provided to workgroup members. Please refer to these as needed while considering the proposals.) ASHRAE 55-2004							
Proposal C:	Recommend that DOH develop guidance documents to	Proposal In?	Workgroup Vo	ote R <i>ED</i>				
Froposai C:	assist schools with humidity conditions that may contribute to health problems.	Rule		0				
	Problems	Guidance	No Vote					

Decision Agenda for: April 12, 2005			Number Present: 19				
		5	50% +1=10	Two	Thirds	= 13	
Topic	Frequency of rule development and updating of standards						
Problem Statement	Historically, updating the State Board of Health rules for K-12 school facilities has occurred infrequently. As a result, the standards and requirements have failed to stay abreast of the issues facing those involved in school siting, design, construction, and maintenance. While the use of guidance documents helps address the "time lag" of administrative code, more frequent review and revision of state codes would be beneficial.						
Reference / Research	(References that are highlighted are included in the 3-ring binder of materials provided to workgroup members. Please refer to these as needed while considering the proposals.)						
Proposal A:	Recommend that within 5 years of the effective date of the new / revised school environmental health and saf- rules, the DOH conduct a review of the status and effectiveness of rule implementation. The department to submit the results of their review to the State Boar	fety it is	Proposal In? Rule Guidance	GRN 19	YEL 0	RED	
	Health, including any recommendations for subseque rule revision.						
Desired Outcomes	The effectiveness of current approaches and practices, as well as on-going needs for continued improvement in environmental health and safety in schools will be evaluated.						